

**EXHIBIT 5**

*New text is underlined; deleted text is in brackets.*

**Nasdaq PHLX LLC Rules**

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**Options Rules**

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**Options 3. Options Trading Rules**

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**Section 8. Options Opening Process**

(a) **Definitions.** The Exchange conducts an electronic opening for all option series traded on Phlx using its System.

(i) – (x) No change.

(xi) The term “imbalance” means the number of unmatched contracts priced through the Potential Opening Price.

(b) Eligible interest during the Opening Process includes Valid Width Quotes, Opening Sweeps and orders. Quotes, other than Valid Width Quotes, will not be included in the Opening Process. Non-SQT Market Makers may submit orders. All-or-None interest [that can be satisfied] is considered for execution and in determining the Opening Price throughout the Opening Process.

(i) Opening Sweep. An Opening Sweep is defined at Options 3, Section 7(b)(6).

(A) and (B) No change.

(ii) The System will [aggregate the size of all eligible interest for a particular participant category at a particular price level for trade allocation purposes]allocate interest pursuant to Options 3, Section 10.

(c) No change.

(d) Phlx Electronic Market Maker Valid Width Quotes and Opening Sweeps received starting at 9:25 AM are included in the Opening Process. Orders entered at any time before an option series opens are included in the Opening Process.

(i) The Opening Process for an option series will be conducted pursuant to paragraphs (f) - (k) below on or after 9:30 AM if: the ABBO, if any, is not crossed; and the System has received, within two minutes (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange's web site) of the opening trade or quote on the market for the underlying security in the case of equity options or, in the case of index options, within two minutes

of the receipt of the opening price in the underlying index (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange's web site), or within two minutes of market opening for the underlying currency in the case of U.S. dollar-settled FCO (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange's web site) any of the following:

(A) the Lead Market Maker's Valid Width Quote; or

(B) the Valid Width Quotes of at least [two]one Phlx Electronic Market Maker[s] other than the Lead Market Maker[; or].

[(C) if neither the Lead Market Maker's Valid Width Quote nor the Valid Width Quotes of two Phlx Electronic Market Makers have been submitted within such timeframe, one Phlx Electronic Market Maker has submitted a Valid Width Quote.]

(ii) – (v) No change.

(e) - (g) No change.

(h) **Potential Opening Price.** The Potential Opening Price indicates a price where the System may open once all other Opening Process criteria is met. To calculate the Potential Opening Price, the System will take into consideration all Valid Width Quotes and orders (including Opening Sweeps and All-or-None interest)[, except All-or-None interest that cannot be satisfied,] for the option series and identify the price at which the maximum number of contracts can trade ("maximum quantity criterion"). In addition, paragraphs (i)(A)(iii) and (j)(5) - (7) below contain additional provisions related to Potential Opening Price.

(A) and (B) No change.

(C) The [Potential] Opening Price [calculation] is bounded by the better away market price that may not be satisfied with the Exchange routable interest.

(i) No change.

(j) The System will calculate an Opening Quote Range ("OQR") for a particular option series that will be utilized in the Price Discovery Mechanism described below, if the Exchange has not opened subject to any of the provisions above. OQR is constrained by the least aggressive limit prices within the broader limits of OQR such that the least aggressive buy order or Valid Width Quote bid and least aggressive sell order or Valid Width Quote offer within the OQR further bounds the OQR.

(1) and (2) No change.

(3) If one or more away markets are disseminating a BBO that is not crossed (the Opening Process will stop and an options series will not open if the ABBO becomes crossed pursuant to (d)(v)) and there are Valid Width Quotes on the Exchange that [are executable against each other]cross each other or are marketable against [or ]the ABBO:

(a) and (b) No change.

(4) If there are Valid Width Quotes on the Exchange that [are executable against]cross each other, and there is no away market disseminating a BBO in the affected option series:

(a) and (b) No change.

(5) and (6) No change..

(7) If the Exchange determines that non-routable interest can execute the maximum number of contracts against Exchange interest, after routable interest has been determined by the System to satisfy the away market, then the Potential Opening Price is the price at which the maximum number of contracts can execute, excluding the interest which will be routed to an away market, which may be executed on the Exchange as described in paragraph (h) above. The System will [consider]route routable Public Customer and Professional interest pursuant to Options 3, Section 10(a)(1)(A)[ in price/time priority to satisfy the away market].

(k) **Price Discovery Mechanism.** If the Exchange has not opened pursuant to paragraphs (f) or (i) above, after the OQR calculation in paragraph (j), the Exchange will conduct the following Price Discovery Mechanism.

(A) First, the System will broadcast an Imbalance Message for the affected series (which includes the symbol, side of the imbalance [(unmatched contracts)], size of matched contracts, size of the imbalance, and Potential Opening Price bounded by the Pre-Market BBO) to participants, and begin an "Imbalance Timer," not to exceed three seconds. The Imbalance Timer will be for the same number of seconds for all options traded on the Exchange. Each Imbalance Message is subject to an Imbalance Timer.

(1) An Imbalance Message will be disseminated showing a "0" volume and a \$0.00 price if: (i) no executions are possible but routable interest is priced at or through the ABBO; (ii) internal quotes are crossing each other; or (iii) there is a Valid Width Quote, but there is no Quality Opening Market. Where the Potential Opening Price is through the ABBO, an imbalance message will display the side of interest priced through the ABBO.

(B) No change.

(C) Next, provided the option series has not opened pursuant to (k)(B) above, the System will:

(1) send a second Imbalance Message with a Potential Opening Price that is bounded by the OQR (and would not trade through the limit price(s) of interest within OQR which is unable to be fully executed at the Opening Price) and includes away market volume in the size of the imbalance to participants; and concurrently

(2) initiate a Route Timer, not to exceed one second. The Route Timer operates as a pause before an order is routed to an away market. If during the Route Timer, interest is received by the System which would allow the Opening Price to be within OQR without trading through away markets and without trading through the limit price(s) of interest within OQR which is unable to be fully executed [at the Opening Price], the System will open with trades and the Route Timer will simultaneously end. The System will monitor quotes and orders received during the Route Timer period and make ongoing corresponding changes to the permitted OQR and Potential Opening Price to reflect them.

(3) and (4) No change.

(5) Forced Opening. After all additional Imbalance Messages have occurred pursuant to paragraph (4) above, the System will open the series by executing as many contracts as possible by routing to away markets at prices better than the Exchange Opening Price for their disseminated size, trading available contracts on the Exchange at the Exchange Opening Price bounded by OQR (without trading through the limit price(s) of interest within OQR which is unable to be fully executed at the Opening Price), and routing contracts to away markets at prices equal to the Exchange Opening Price at their disseminated size. In this situation, the System will price any contracts routed to away markets at the better of the Exchange Opening Price or the order's limit price. Any unexecuted [contracts]interest from the imbalance not traded or routed will be cancelled back to the entering participant if they remain unexecuted and priced through the Opening Price, unless the member that submitted the original order has instructed the Exchange in writing to reenter the remaining size, in which case the remaining size will be automatically submitted as a new order. All other interest will be eligible for trading after opening, if consistent with the member's instructions.

(6) No change.

(D) Pursuant to Options 3, Section 8(k)(C)(6), [T]the System will re-price Do Not Route orders (that would otherwise have to be routed to the exchange(s)

disseminating the ABBO for an opening to occur) to a price that is one minimum trading increment inferior to the ABBO, and disseminate the re-priced DNR Order as part of the new PBBO.

(E) and (F) No change.

(G) Remaining contracts which are not priced through the Exchange Opening Price after routing a number of contracts to satisfy better priced away contracts will be posted to the Order Book at the better of the away market price or the order's limit price.

(I) Opening Process Cancel Timer. The Opening Process Cancel Timer represents a period of time since the underlying market has opened, and shall be established and disseminated by Phlx on its website. If an option series has not opened before the conclusion of the Opening Process Cancel Timer, a member may elect to have orders returned by providing written notification to the Exchange. These orders include all non Good Til Cancelled Orders received over the FIX protocol.

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